NEVADA DIVISION OF ENVIRONMENTAL PROTECTION
ENVIRONMENTAL MANAGER CERTIFICATION

REQUIREMENTS

Nevada Administrative Code (NAC) 459 requires that any person who provides information, opinion or advise for a fee (or in conjunction with services for which a fee is charged) relating to:

(1) the management of hazardous waste;
(2) investigation of a site to determine the release or potential release of a hazardous substance (waste, material, or regulated substance);
(3) sampling of air, soil, surface water or groundwater to determine the release of a hazardous substance;
(4) response to a release of a hazardous substance;
(5) cleanup of a release of a hazardous substance; or
(6) remediation of water or soil contaminated by a hazardous substance.

Must perform those services under the direction and responsible control of a person who is certified as an Environmental Manager by the Nevada Division of Environmental Protection (NDEP).

MINIMUM QUALIFICATIONS

The minimum qualifications for certification are:

(1) Good character and reputation, as determined by NDEP upon review of references and criminal record.

(2) CEM application approval to include a bachelor's or advanced degree from an accredited college or university in an environmentally related field, plus 3 years within the past 5 of relevant experience; or relevant professional registration or certification, plus 3 years within the past 5 of relevant experience; or an equivalent combination of appropriate education and experience, as determined by NDEP.

(3) Pass a written examination. $150.00 – Examination fee

GUIDANCE DOCUMENT
CEM APPLICATION

PAGE 1

2 x 2 PHOTO

- Attach a 2 X 2 photo (full face view) on top left hand corner of application. This Photo can be a jpeg digital transmission to my email address.

APPLICANT INFORMATION

- Provide your home address and phone number. Provide Business address if you do not want your home address used.

BUSINESS INFORMATION

- Provide the business name, address, phone number/cell phone and email address.

EDUCATION

- Name of college, location, degree earned (i.e., AA, AS, BA, BS, MA, MS, etc)

PROFESSIONAL REGISTRATION OR CERTIFICATION

- Professional registrations (i.e., PE, REA, PG, RG etc) and what State issued the registration.

PAGE 2-3

EXPERIENCE

- When completing the boxes (6) for experience use additional sheets of paper for a complete and detailed description. The boxes on the application are typically not adequate and to not normally give you enough space to write a detailed description. Include a typical environmental project worked as well.

  Boxes 1-6 on pages 2 and 3 contain the following areas of expertise.

  (1) RCRA Wastes:
  (2) Site Investigation
  (3) Sampling
  (4) Release Response
  (5) Release to Clean Up
  (6) Remediation

EXAMPLES

Here are a few examples to assist you in completing these boxes. Keep in mind that your expertise may vary from these examples, and you may not have information for each category. This is an example only. Percentiles usually add up to 100%.

RCRA Wastes (1)

Inspect, audit and assist facilities that deal with RCRA waste. This may include proper storage, labeling, and accumulation time knowledge and disposal expertise. (Include the types of wastes the facility uses.)

Conduct RCRA compliance environmental audits for manufacturers

evaluation of compliance with RCRA small quantity and large quantity generators, provide direction on how to comply with the applicable requirements.

Prepared hazardous waste management plan

Site Investigation (2)

Perform Phase I site investigations per ASTM guidelines (include how many performed)

Perform Phase II site investigations per ASTM guidelines; include site visit, sampling etc. (Include how many performed). Was the site investigation a desktop survey, or did you actually go in the field and look at surrounding properties.

Manage groundwater sampling to evaluate compliance

Review investigation and cleanpup reports

Evaluate extent of groundwater contamination and evaluated cleanup technologies.

Conduct numerous Phase I's

Conduct numerous Phase II's

Conduct ESAs

Perform risk calculations that indicated groundwater contaminant levels, make site recommendations about site cleanup based on site investigation.

Sampling (3)

Air sampling/monitoring: Sampled air using Dragger tubes during waste handling operations. ▪ Effluent from vapor extractions systems using both a PID and Teller bags for transport to an approved lab. Assess effectiveness of carbon adsorption or thermal oxidation in removing volatile organics from the extracted vapor.

Solid waste sampling: sampling of waste streams routinely sample and analyzed to verify their contents.

Soil sampling: sampling of composite samples of soil cuttings from soil borings and well installations to facilitate proper disposal. Sampling of affected soil following leaks and spills, typically of gasoline or diesel fuel to assure adequate removal and clean up.

Groundwater sampling: Sampled groundwater from monitoring wells, and analyzed for pH, specific conductivity, dissolved oxygen, and oxidation-reduction potential. total organic carbon and total organic halogens of hazardous constituents. Quarterly monitoring to assess extent of and effectiveness of remediation activities on groundwater plume contaminated with gasoline products due to former leaking UST. Sampled for chlorinated organic solvents due to dry cleaning activities. Analyses for volatile and semi-volatile organic compounds, chlorinated organics, metals, and radionuclide. Natural attenuation parameters investigated for nitrate, sulfate, chloride, alkalinity and ferrous iron.

Treated Wastewater sampling: sampled and analyzed to verify the effectiveness of the treatment process.

Effluent Sampling: Sampled water from air stripping operations for volatile organic compounds to assess treatment processes.

Use Nevada Certified Laboratories for all sampling analyses.

Collect grab and composite runoff samples in accordance with NPDES permit requirements.

Proper sampling of hazardous waste, proper handling and disposal of material.

Release Response (4)

Cleaned up and contained various spills. List chemicals involved. Describe how the product was cleaned up and how it was remediated if necessary, and disposed.

Release Clean Up (5)

Generation of H & S Plan, delineation of the exclusion, decontamination and support zones, incorporating the proper level of PPE. Removal of contaminated soils, safe handling of drums, responsible for decon of equipment. Proper removal and disposal of waste. Address all safety issues. Contain release prior to other support on scene.

Remediation (6)

Installation, maintenance, monitoring of groundwater remediation system, including air sparging/vacuum extraction systems and air strippers.

Evaluated sampling data to determine need for remediation.

Research remedial methodologies, pump and treat, in-situ anaerobic biodegradation, and monitored natural attenuation

Evaluate and install ground water systems

Have knowledge of monitor well construction
Dilineate plume migration.

Redevelopment of contaminated ground for greenspace use.

Regulate pump and treat groundwater systems. Know when to turn on and off.

PAGE 4

CRIMINAL RECORD:	Include environmentally related crimes only
ACKNOWLEDGEMENT:	Include original signature, blue ink preferred
REFERENCES:	Include 3 references with original signatures
APPLICATION FEE:	Include $100.00 application fee, made out to NDEP
MISCELLANEOUS:	Read

► Submit prior to NDEP deadlines. NDEP review time requires 4-6 weeks once all required material has been submitted. **THERE IS NO GRACE PERIOD**.

For Additional Information Contact:

Division of Environmental Protection
Bureau of Corrective Actions
Certification Branch
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Carson City, NV 89701
(775) 687-9375